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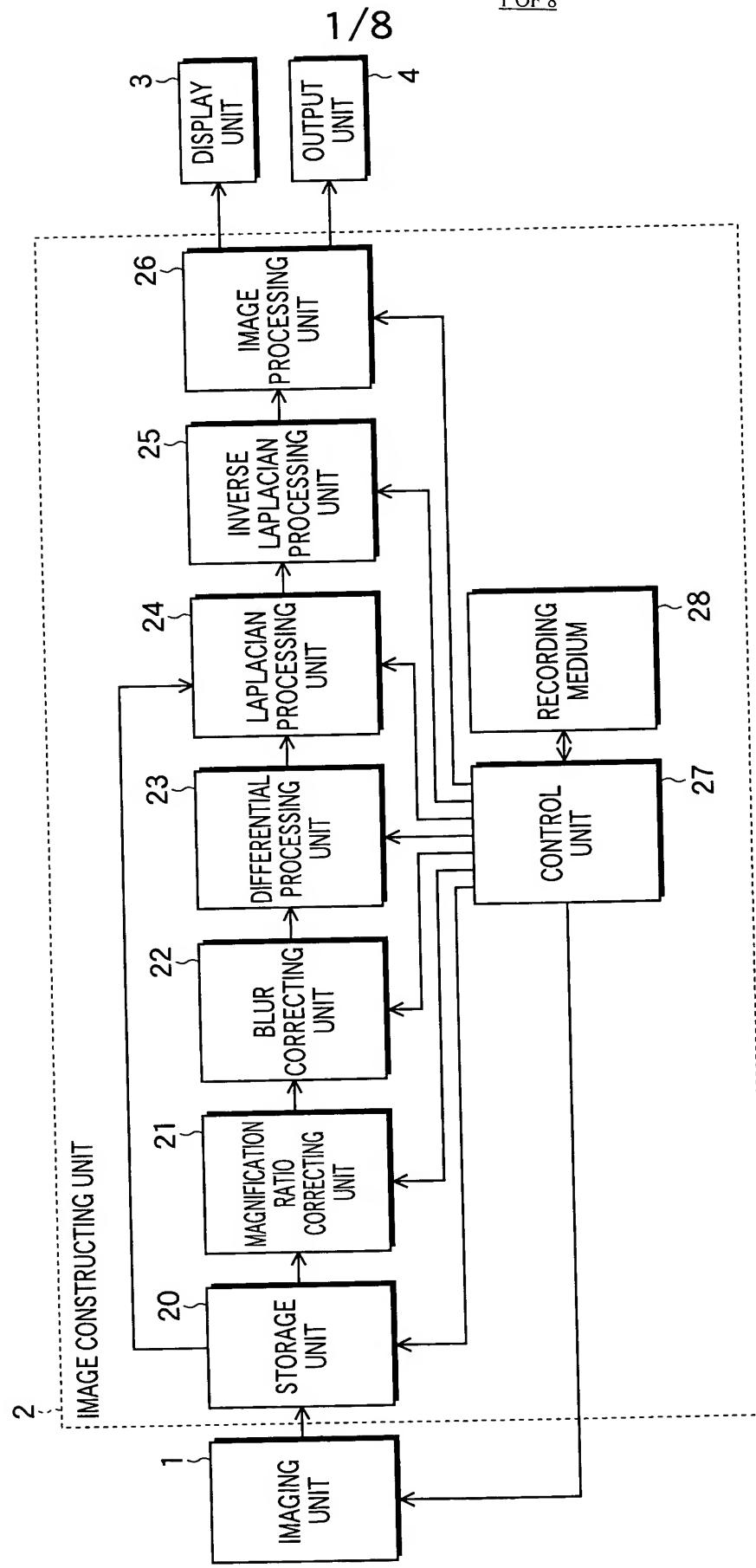*FIG.1*

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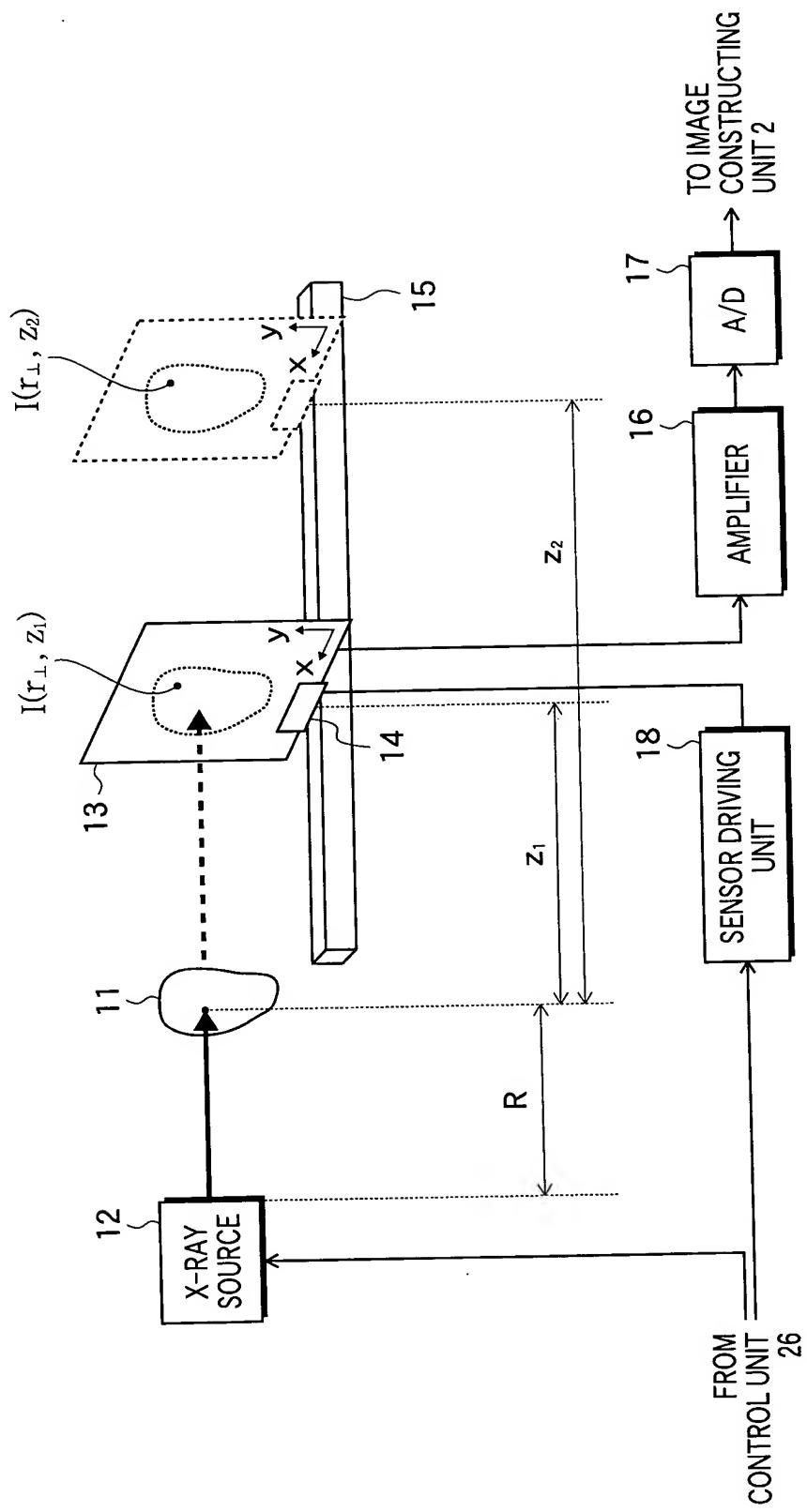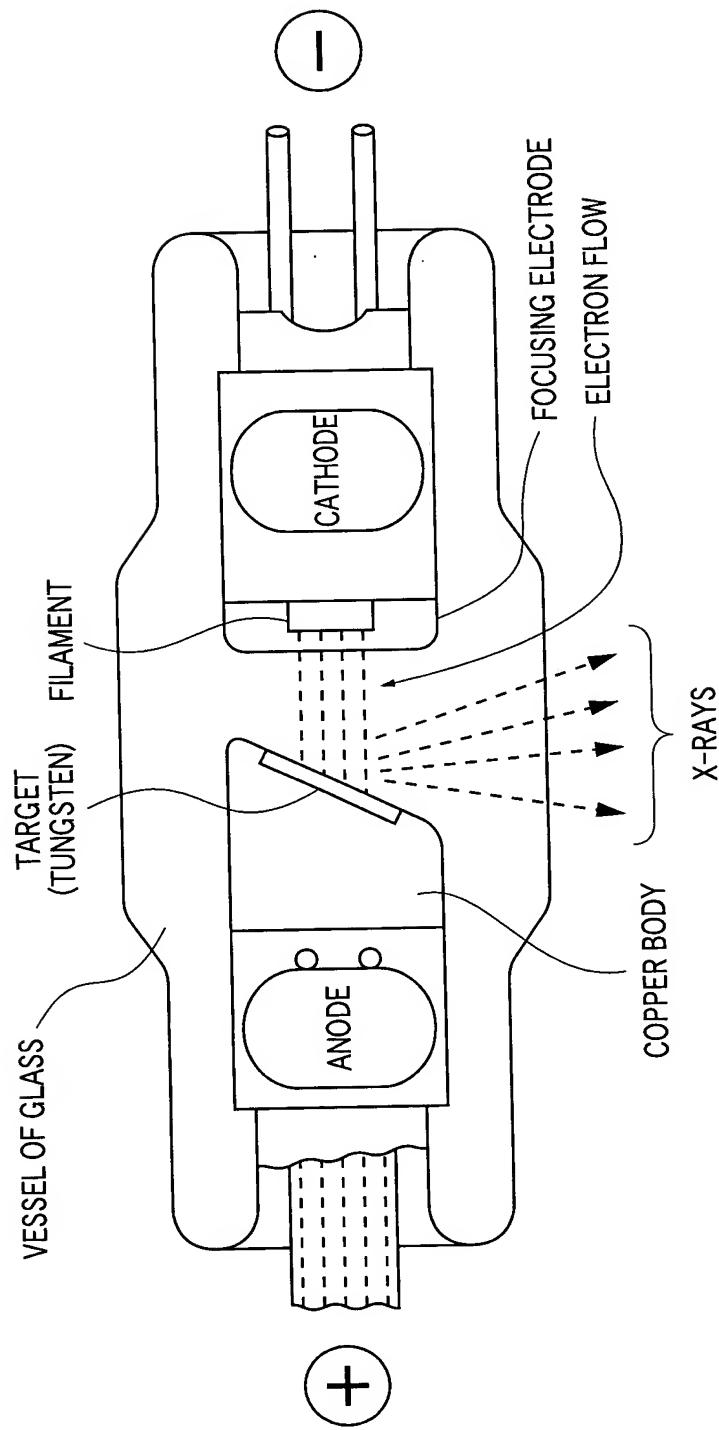Filing Date: October 4, 2003
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FIG.2

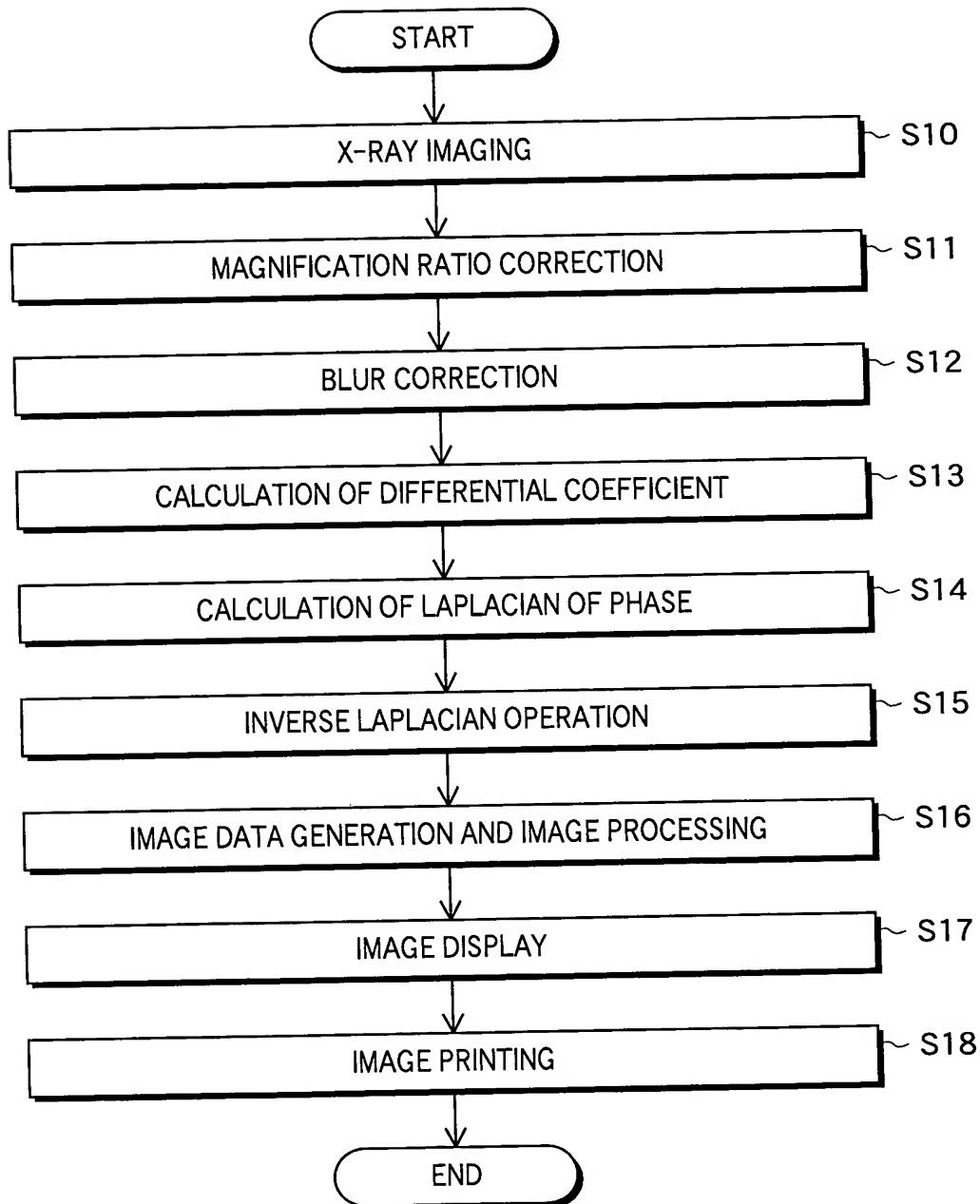Hideyuki SAKAIDA,   Q77625
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FIG.3

FIG.4

```
                    ┌──────────────┐
                    │    START     │
                    └──────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │           X-RAY IMAGING              │──── S10
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │      MAGNIFICATION RATIO CORRECTION  │──── S11
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │           BLUR CORRECTION            │──── S12
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │  CALCULATION OF DIFFERENTIAL COEFFICIENT │──── S13
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │    CALCULATION OF LAPLACIAN OF PHASE │──── S14
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │       INVERSE LAPLACIAN OPERATION    │──── S15
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │ IMAGE DATA GENERATION AND IMAGE PROCESSING │──── S16
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │           IMAGE DISPLAY              │──── S17
        └──────────────────────────────────────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │           IMAGE PRINTING             │──── S18
        └──────────────────────────────────────┘
                           │
                           ▼
                    ┌──────────────┐
                    │     END      │
                    └──────────────┘
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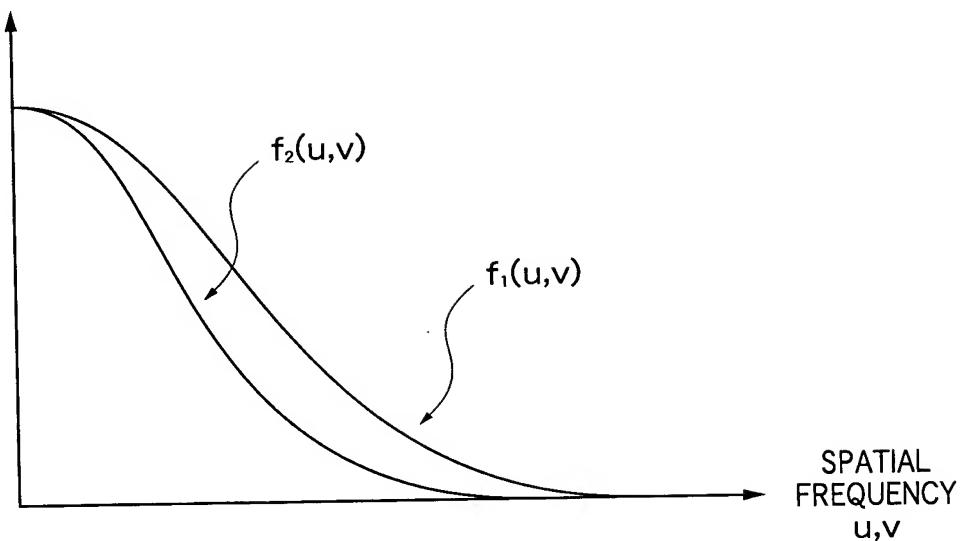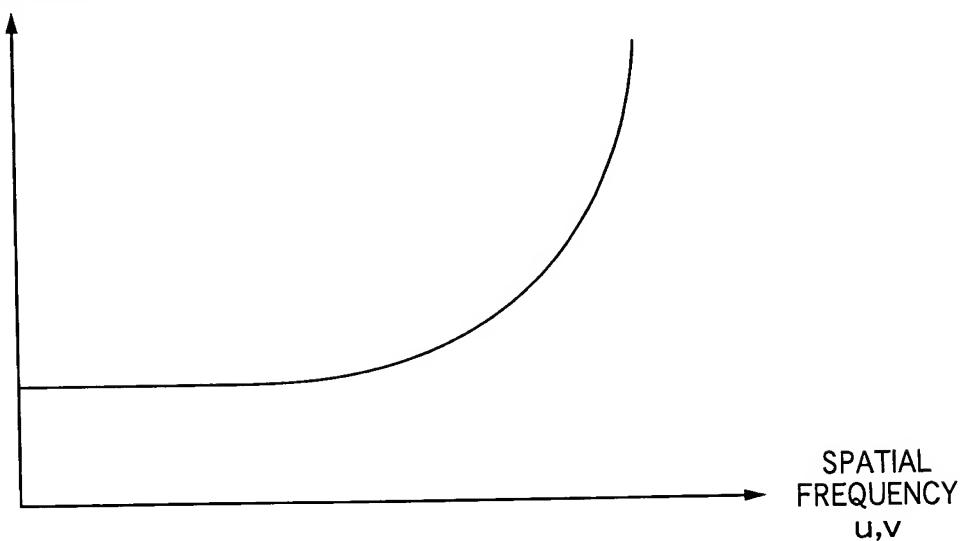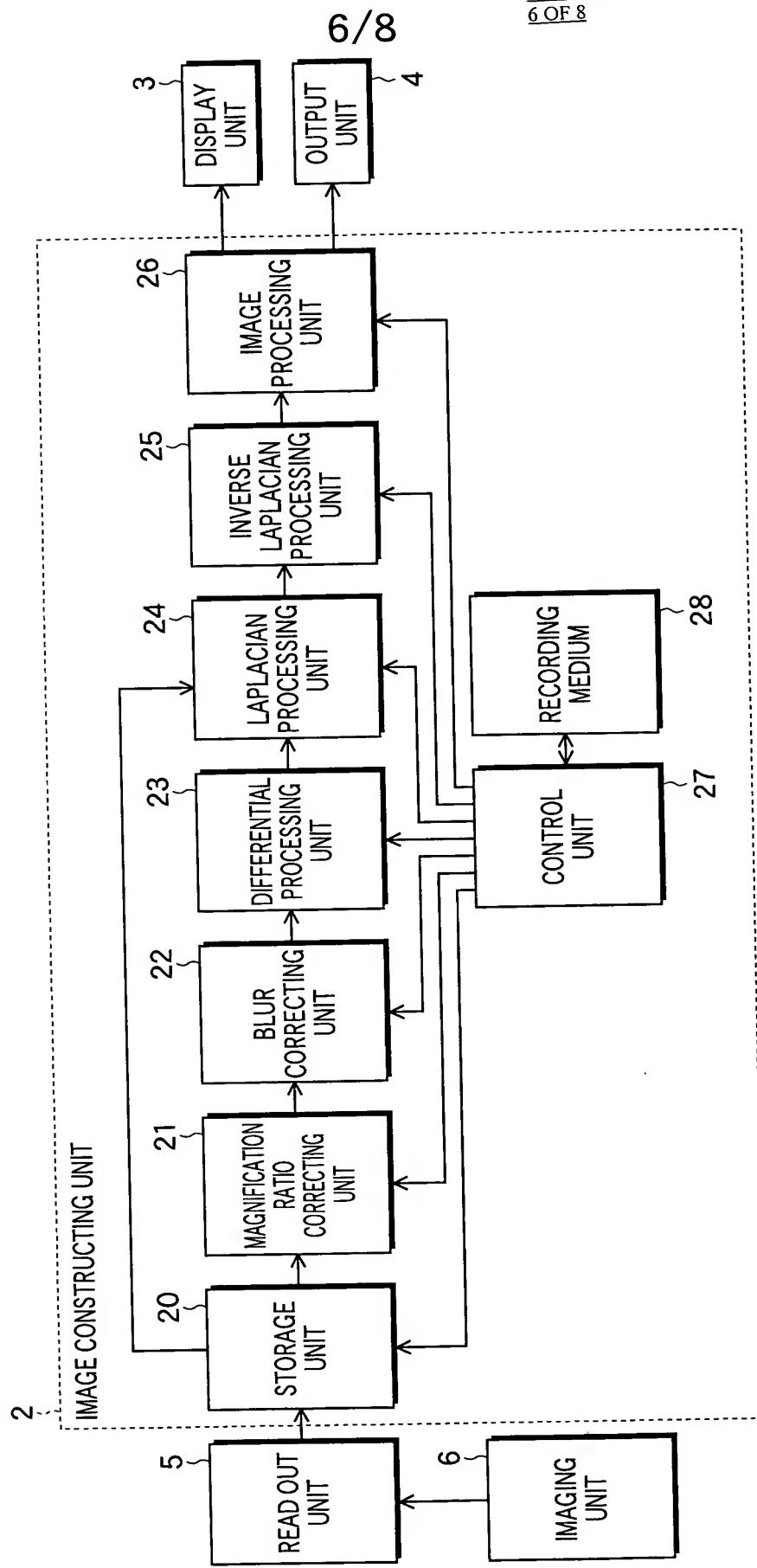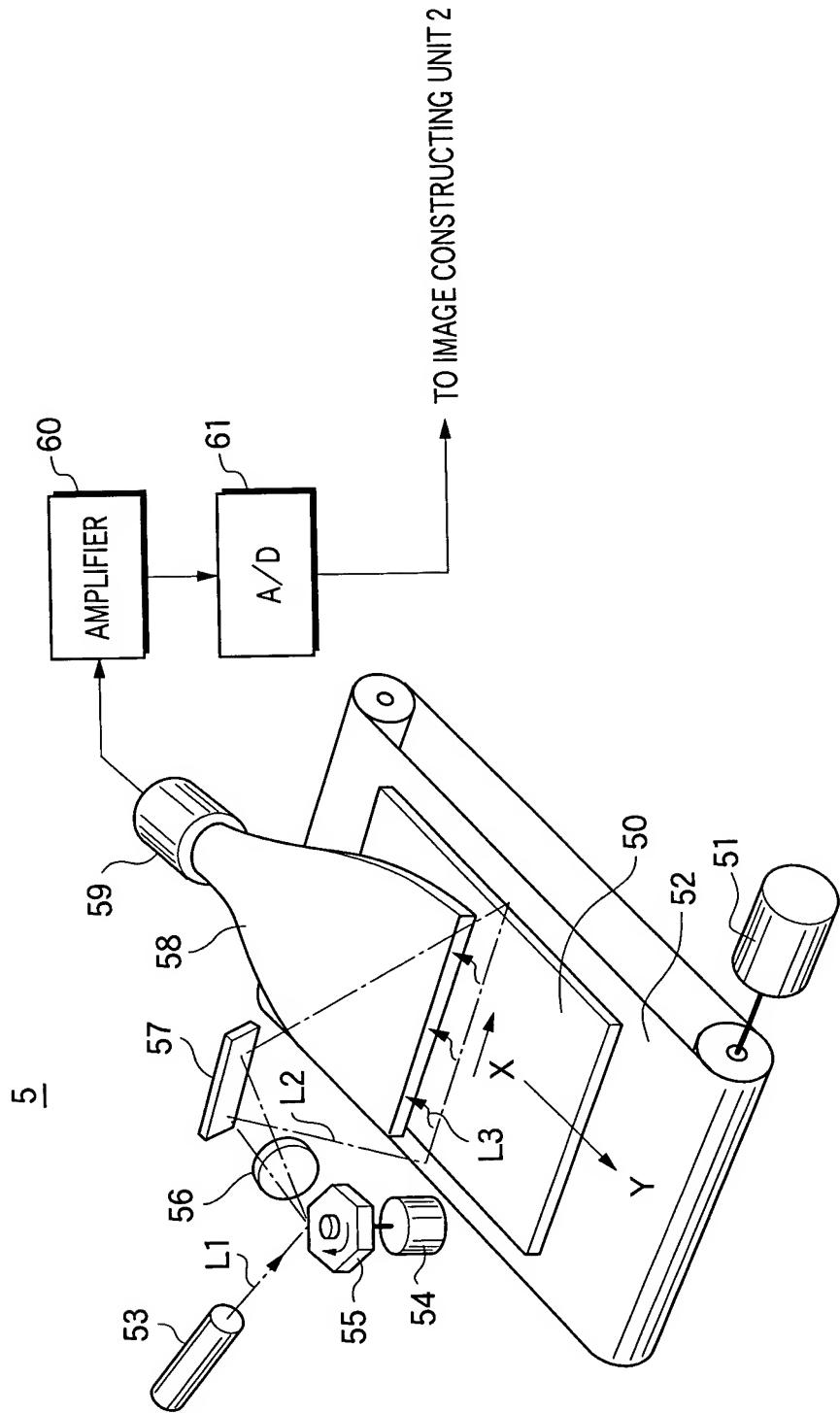Filing Date: October 4, 2003
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FIG.5

BLUR FUNCTION
$f_1(u,v)$, $f_2(u,v)$

$f_2(u,v)$

$f_1(u,v)$

SPATIAL
FREQUENCY
u,v

FIG.6

$f_1(u,v)/f_2(u,v)$

SPATIAL
FREQUENCY
u,v

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FIG.7

FIG.8

TO IMAGE CONSTRUCTING UNIT 2

FIG.9
PRIOR ART

X-RAY

$I(x, y)$
$\phi(x, y)$

101

102

z